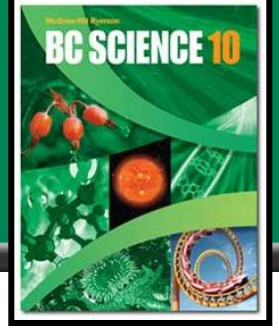


Volcanoes



- The movement of tectonic plates produces three types of volcanoes
 1. Composite (also known as strata or cone-shaped)
 2. Shield
 3. Rift eruption
- Danger of Volcanoes
 - ♦ Sulphurous gas (poisonous acidic gas)
 - ♦ Devil's mushroom (column of dust and gas)
 - ♦ Pyroclastic flow (ash cloud that roll down sides)
 - ♦ Pyroclastics (debris ejected from vent)
 - ♦ Lava
 - ♦ Seismic activity

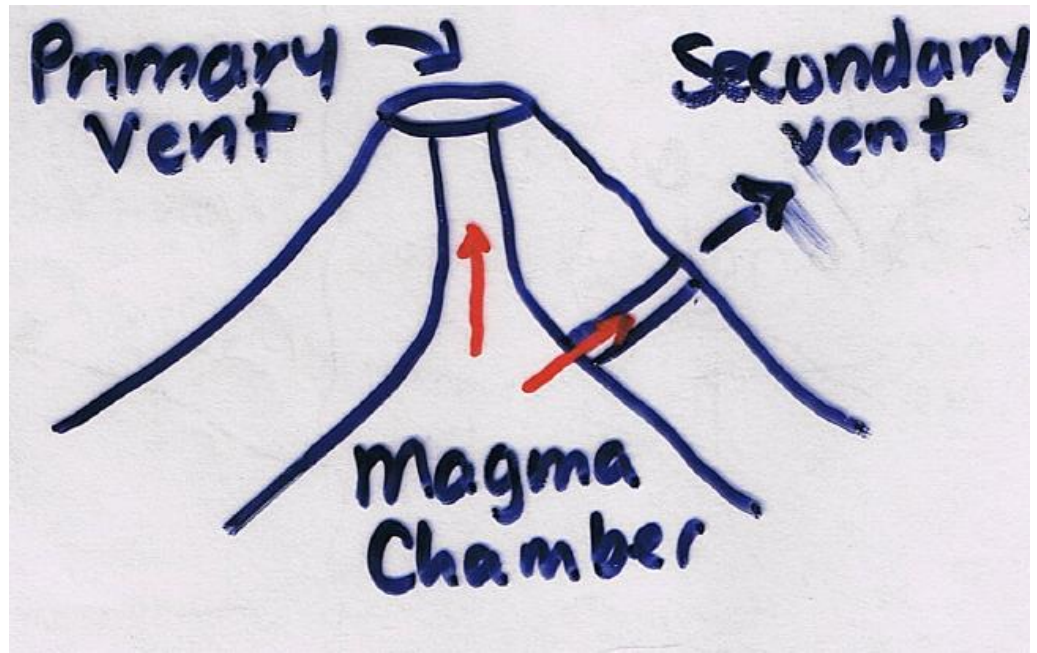


Why do we have different types of volcanoes?

- Type of plate boundaries determine type of volcanoes

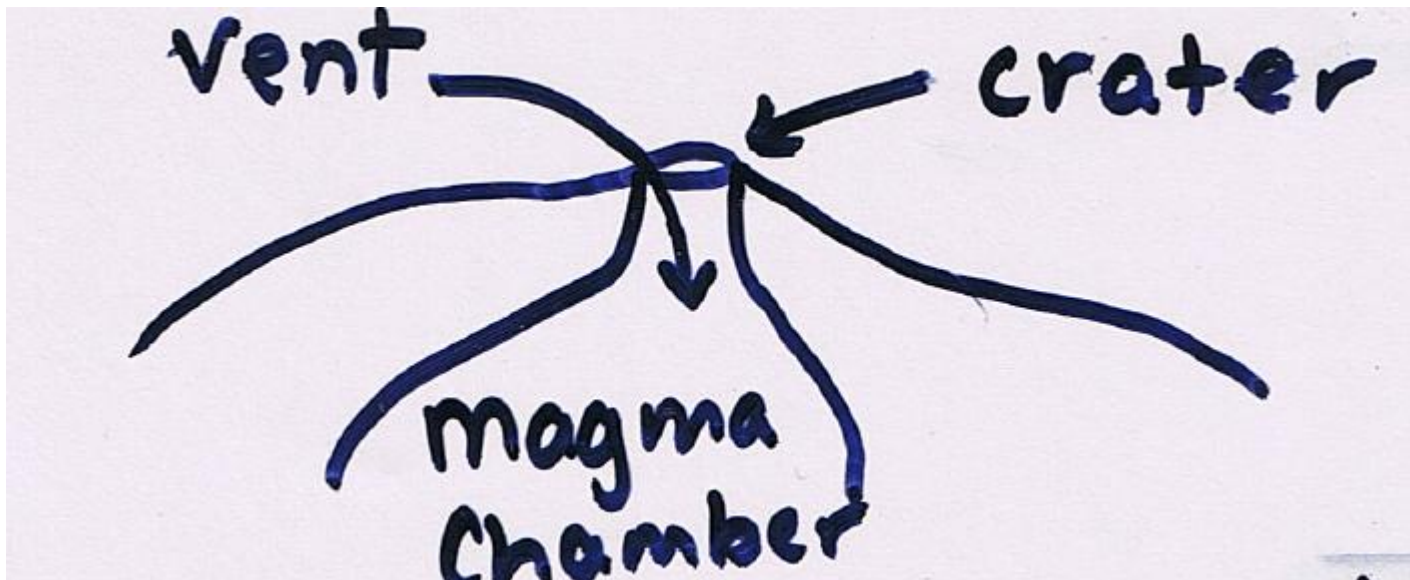
1. Composite Volcanoes

- ◆ **Converging** boundaries
- ◆ Explosive
- ◆ Alternating layers of **ash and lava**
- ◆ Scenic



2. Shield Volcano

- ♦ Largest
- ♦ **Running** lava
- ♦ Non-explosive
- ♦ Found at **hot spot** (region where hot magma is rising to the surface)
- ♦ Ex. Hawaii islands



3. Rift Eruptions

- ◆ Magma erupts through cracks
- ◆ Not violent or explosive, lots of lava
- ◆ **Diverging** plate boundaries



4. Cinder cones

- Smallest
- Occurs in groups
- Small to no magma chamber

